

Spill & Overfill Prevention for USTs

Helping prevent Underground Storage Tank (UST) System Releases

THINGS TO CONSIDER ABOUT SPILL AND OVERFILL PREVENTION EQUIPMENT SYSTEMS

All UST systems that are filled with more than 25 gallons of a regulated substance at any time must have spill and overfill prevention equipment systems.

SPILL PREVENTION WHAT IS IT?

- ▶ Spill of a regulated substance during a transfer from the truck to the tank must be captured by a bucket that fits around the fill pipe.
- ▶ Spill prevention will prevent a release of a regulated substance to the environment.
- ▶ Spill prevention devices are called Spill Buckets or Catchment Basins.
- ▶ The spill buckets should be sized so that it can hold more than the amount of product contained in the delivery hose.

MAINTENANCE

- ▶ Device should be kept free of product, water, and/or debris.
- ▶ Device should show no signs of damage.

REQUIRED DOCUMENTATION

- ▶ Must show the spill bucket was installed by an ADEQ-certified service provider for "Installation and retrofit of an UST."

Talk to your ADEQ-certified service provider about spill prevention equipment and maintenance options that suit your UST system.

OVERFILL PREVENTION

Answering the following questions may help to determine the appropriate type of overfill protection equipment for your UST system.

- ▶ What type of overfill device do I currently have?
- ▶ How will the overfill device affect the usable volume of my tank?
- ▶ At what level should my overfill device be set and is it set at that level?
- ▶ Do I have the required certified documentation?

WHAT IS IT?

- ▶ A device that prevents overfilling of a UST system.
- ▶ Device must be set at the appropriate activation level.
- ▶ An overfill prevention device is required on any UST system that is filled with more than 25 gallons of product at any one time.

OVERFILL DEVICES & ACTIVATION LEVELS

- ▶ Automatic Shutoff Device - Automatically shuts off flow of fuel at 95 % or less of tank capacity.
- ▶ Ball Float Valve - Restricts vapor flow out of the vent line at 90 % or less of tank capacity, or within 30 minutes before overfilling.
- ▶ Overfill Alarm - Alarm activates when the fuel reaches 90 % of less tank capacity, or is within one minute of being overfilled.

REQUIRED DOCUMENTATION

- ▶ For overfilled equipment installed before December 31, 1996, ADEQ requires the installers signature, company name and overfill device activation level.
- ▶ For overfill device installed after December 31, 1996, provide documentation that the overfill

device installation and activation level were completed by an ADEQ-certified installation and retrofit service provider.

It is important to provide certified documentation stating the appropriate activation level. If the activation level was not previously certified by the installer, then an ADEQ-certified individual performing installation and retrofit or tank tightness testing can verify and certify the activation level.

FOR MORE INFORMATION CONTACT:

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CHECKLIST

SPILL PREVENTION DEVICE

- ☐ Documentation of certified installation
- ☐ Size (gallons)
- ☐ Kept free of product, water and debris
- ☐ No visible damage

OVERFILL PREVENTION DEVICE

- ☐ Documentation of certified installation and activation level
- ☐ Type of overfill device
- ☐ Appropriate activation level

In the event of any discrepancy between this information and the Arizona Revised Statutes or Arizona Administrative Code, the statutes or rules shall take precedence.